

L Number	Hits	Search Text	DB	Time stamp
1	13	Ruvkun NEAR Gary	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:03
2	400	PTEN	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:04
3	218	(PTEN and phosphatase) and tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:04
4	10	daf-18	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:04
5	48	PTEN and obesity	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:05
6	18	(US-6319708-\$ or US-6284538-\$ or US-6586181-\$ or US-6020199-\$ or US-6225120-\$ or US-6135942-\$ or US-6472515-\$).did. or (US-20010029617-\$ or US-20020058638-\$ or US-20010016332-\$ or US-20020037585-\$ or US-20030036079-\$).did. or (WO-9851351-\$ or WO-9805761-\$).did. or (WO-9902704-\$ or US-6020199-\$ or WO-200118549-\$ or WO-200033068-\$).did.	USPAT; US-PGPUB; EPO; DERWENT	2004/04/13 14:05
-	194	Myers NEAR Michael	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 16:29
-	1	(Myers NEAR Michael) and PTEN	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 16:29
-	129	PTEN and phosphatase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 16:33
-	2	wo NEAR "9851351"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 20:18
-	1	wo NEAR "200033068"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 20:18
-	2	("5196333").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/01 16:18

=> d his

(FILE 'HOME' ENTERED AT 13:54:08 ON 13 APR 2004)

FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, MEDICONF' ENTERED
AT 13:54:18 ON 13 APR 2004

L1 5028 S PTEN
L2 78 S L1 AND GLUCOSE
L3 9 S L1 AND OBES?
L4 57 DUP REM L2 (21 DUPLICATES REMOVED)
L5 8 DUP REM L3 (1 DUPLICATE REMOVED)
L6 60 S L2 AND PHOSPHATASE
L7 40 S L4 AND PHOSPHATASE
L8 0 S L7 AND PY<=1998
E RUVKUN GA?/AU
L9 164 S E1
L10 104 S E4
L11 225820 S HIS
L12 268 S L9 OR L10
L13 5 S L12 AND L1
L14 2 DUP REM L13 (3 DUPLICATES REMOVED)

=> d an ti so au ab pi l14 1-2

L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:384548 CAPLUS
DN 133:39116
TI Genes and polypeptides involved in insulin signaling pathways for glucose tolerance, obesity, and longevity and their uses as therapeutic and diagnostic tools
SO PCT Int. Appl., 402 pp.
CODEN: PIXXD2
IN **Ruvkun, Gary**; Ogg, Scott
AB Disclosed herein are novel genes and methods for the screening of therapeutics useful for treating impaired glucose tolerance conditions, as well as diagnostics and therapeutic compns. for identifying or treating such conditions. The *Caenorhabditis elegans* metabolic regulatory genes *daf-2* and *age-1* encode homologs of the mammalian insulin receptor/phosphoinositol 3-kinase signaling pathway proteins, resp. Also, the *C. elegans* PKB kinase and AKT kinase act downstream of these genes, as their mammalian homologs act downstream of insulin signaling. The *C. elegans* **PTEN** lipid phosphatase homolog, DAF-18, acts upstream of AKT in this signaling pathway. Further, the DAF-16 forkhead protein represents the major transcriptional output of this insulin signaling pathway. Addnl. evidence indicates that the DAF-16, DAF-3, DAF-8, and DAF-14 transcriptional outputs of converging signaling pathways regulate metabolism. The congruence between the *C. elegans* and mammalian insulin signaling pathways strongly supports the contention that new genes identified in the *C. elegans* pathway also act in mammalian insulin signaling. Exemplary sequences and functional characteristics of the *C. elegans* *daf* genes and their human homologs are provided.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000033068	A1	20000608	WO 1999-US28529	19991202

PI W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 2001029617 A1 20011011 US 1998-205658 19981203
EP 1163515 A1 20011219 EP 1999-960641 19991202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

L14 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1